

BENAGEL

Application : CIVIL ENGINEERING

Technical Specification of BENAGEL

Parameters	UOM	BENAGEL – 30i	BENAGEL – 45i	BENAGEL – 60i
Moisture	%	13 % Max	13 % Max	13 % Max
Marsh Funnel Viscosity (5% Suspension, after 24 hr reading)	s/l	30 Minimum	40 Minimum	60 Minimum
Free Swelling Value	ml	24	30	32
Filtrate volume API Filtrate 7.5 Minute	ml	18 Max.	16 Max.	14 Max.
Yield	bbf	120	150	180
Liquid Limit	%	400 Min	500 Min	N/A
Fineness 75 Micron	%	75 Min	80 Min	85 Min

Chemical Analysis								
LOI	SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	TiO ₂	CaO	MgO	Na ₂ O	K ₂ O
7.06 %	48.5 %	16.41 %	17.80 %	1.86 %	0.55 %	3.78 %	2.67 %	0.77 %

Packing Options

- 25 KG Paper Bags
- 50 KG HDPE Bags
- 1.2 MT Jumbo Bags
- Jungle Wood Pallets
- 25 KG HDPE Bags
- 1 MT Jumbo Bags
- 1.25 MT Jumbo Bags
- Pine Wood Pallets

STORAGE : Bentonite is hygroscopic & absorbs moisture. Store in cool & dry place. Do not leave bags in use open.

SAFETY : Bentonite is Non Toxic & Non Hazardous but take precautions as per MSDS of the product while handling

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Introduction:

BENAGEL is a high performance bentonite which gives better performance than API / OCMA Specification. **BENAGEL** is a sodium based activated bentonite specially designed for civil engineering applications. **BENAGEL** contains more than 75% active montmorillonite clay content.

Features of BENAGEL

- High Swelling Bentonite
- Excellent Plasticity & Viscosity
- High Water Absorption
- Low Filtrate Loss
- Excellent Plasticity & Viscosity
- Enlarged Surface Area
- Low Permeability
- Advance Lubrication

Usages

- Pilling & Boring
- Soil Sealing, Sealant, Sanitary Pit Fills
- Slurry Coating In Tunnelling
- Horizontal Directional Drilling
- Cement Slurries
- Production of Geosynthetic Clay Liners
- Diaphragm Cut off Wall
- Pipe Jacking
- Drilling Muds

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